

WHAT IS CLAIMED IS:

1. A refillable fluid reservoir for a fluid ejection head, comprising:
a fluid reservoir having top, bottom and side walls defining an interior volume for housing fluid;
a venting port provided on one of the reservoir walls; and
a fluid inlet port provided on one of the reservoir walls,
the venting port and the fluid inlet port being located at substantially the same vertical level to increase volumetric efficiency and reduce staining.
2. The refillable fluid reservoir according to claim 1, wherein the venting port and the fluid inlet port are located in the top wall of the fluid reservoir.
3. The refillable fluid reservoir according to claim 1, wherein the venting port and the fluid inlet port are located in the side wall of the fluid reservoir.
4. The fluid reservoir according to claim 1, at least one of the venting port and the fluid inlet port having a seal.
5. The fluid reservoir according to claim 4, the seal being selected from the group consisting of ball valve seals, needle septum, poppet valves, flapper valves, O-rings and piston seals.
6. An inkjet printhead comprising:
the refillable fluid reservoir according to claim 1.
7. A refillable fluid reservoir for a fluid ejection head, comprising:
a fluid reservoir having top, bottom and side walls defining an interior volume for housing fluid;
a venting port provided on one of the reservoir walls;
a fluid inlet port provided on one of the reservoir walls located at a higher vertical level than the venting port; and
a tube formed from the venting port and having an opening to the atmosphere at a vertical level at least equal to the vertical level of the fluid inlet port to increase volumetric efficiency and reduce staining.
8. The refillable fluid reservoir according to claim 7, wherein the venting port and the fluid inlet port are located in the side wall of the fluid reservoir.
9. The fluid reservoir according to claim 7, at least one of the venting port, the fluid inlet port and the tube having a seal.

10. The fluid reservoir according to claim 9, the seal being selected from the group consisting of ball valve seals, needed septums, poppet valves, flapper valves, O-rings, and piston seals.
11. An inkjet printhead, comprising:
the fluid reservoir according to claim 7.
12. The fluid reservoir according to claim 7, the venting port and the fluid inlet port being located near a top portion of the reservoir.
13. The fluid reservoir according to claim 7, the venting port and the fluid inlet port having substantially horizontal inlet axes.
14. The fluid reservoir according to claim 7, the venting port and the fluid inlet port having inlet axes aligned at an angle with respect to a vertical axis.
15. A refillable fluid reservoir for a fluid ejection head, comprising:
a fluid reservoir having top, bottom and side walls defining an interior volume for housing fluid;
a venting port provided on one of the reservoir walls; and
the venting port having at least one opening to the atmosphere at a vertical level substantially the same as the vertical level of an opening of the fluid inlet port to the atmosphere.
16. The fluid reservoir according to claim 15, the fluid inlet port being located near a top portion of the reservoir.
17. The refillable fluid reservoir according to claim 15, wherein the venting port and the fluid inlet port are located in the side wall of the fluid reservoir.
18. The fluid reservoir according to claim 15, at least one of the venting port and the fluid inlet port having a seal.
19. The fluid reservoir according to claim 15, the seal being selected from the group consisting of ball valve seals, needle septums, poppet valves, flapper valves, O-rings and piston seals.
20. An inkjet printhead comprising:
the refillable fluid reservoir according to claim 15.